RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/529,5/2
Source:	PCT,
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PCT

RAW SEQUENCE LISTING DATE: 07/10/2006
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3 <110> APPLICANT: WHITE, JOHN
        FERNANDES, ISABELLE
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        THEREOF
9 <130> FILE REFERENCE: BER-003US1
11 <140> CURRENT APPLICATION NUMBER: 10/529,512
12 <141> CURRENT FILING DATE: 2005-03-25
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15 <151> PRIOR FILING DATE: 2003-09-25
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122 agc tct ttg gta atg ggt tca caa acg gag agc gcg ctt agt aaa aaa 1399 123 Ser Ser Leu Val Met Gly Ser Gln Thr Glu Ser Ala Leu Ser Lys Lys 124 280 285 290 126 tta agg gct att ctt cca aaa caa agt aga aaa agc atg tta gat gct 1447 127 Leu Arg Ala Ile Leu Pro Lys Gln Ser Arg Lys Ser Met Leu Asp Ala 128 295 300 305 130 ggg ccc gat tct tgg ggc tca gat gct gag cag tct acc cct gga cag 1495 131 Gly Pro Asp Ser Trp Gly Ser Asp Ala Glu Gln Ser Thr Pro Gly Gln	119 Gly Met Asp Leu Ser Trp Glu Ser Arg Thr Gly Asp Gln Tyr Ser Tyr	
123 Ser Ser Leu Val Met Gly Ser Gln Thr Glu Ser Ala Leu Ser Lys Lys 124 280 285 290 126 tta agg gct att ctt cca aaa caa agt aga aaa agc atg tta gat gct 1447 127 Leu Arg Ala Ile Leu Pro Lys Gln Ser Arg Lys Ser Met Leu Asp Ala 128 300 305 130 ggg ccc gat tct tgg ggc tca gat gct gag cag tct acc cct gga cag 1495 131 Gly Pro Asp Ser Trp Gly Ser Asp Ala Glu Gln Ser Thr Pro Gly Gln		
124 280 285 290 126 tta agg gct att ctt cca aaa caa agt aga aaa agc atg tta gat gct 1447 127 Leu Arg Ala Ile Leu Pro Lys Gln Ser Arg Lys Ser Met Leu Asp Ala 128 295 300 305 130 ggg ccc gat tct tgg ggc tca gat gct gag cag tct acc cct gga cag 1495 131 Gly Pro Asp Ser Trp Gly Ser Asp Ala Glu Gln Ser Thr Pro Gly Gln		1399
126 tta agg gct att ctt cca aaa caa agt aga aaa agc atg tta gat gct 1447 127 Leu Arg Ala Ile Leu Pro Lys Gln Ser Arg Lys Ser Met Leu Asp Ala 128 295 300 305 130 ggg ccc gat tct tgg ggc tca gat gct gag cag tct acc cct gga cag 1495 131 Gly Pro Asp Ser Trp Gly Ser Asp Ala Glu Gln Ser Thr Pro Gly Gln	123 Ser Ser Leu Val Met Gly Ser Gln Thr Glu Ser Ala Leu Ser Lys Lys	
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132 310 315 320		
	122 210 215 220	

Input Set : A:\BER03US1.APP

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	cgg																1591
	Arg	Lys	Lys	Arg	GIY	_	Tyr	Arg	GIn	Tyr		Ser	Glu	Ile	Leu		
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	gaa																1639
	Glu	Ala	TTE	Ser		vaı	мет	ser	GIY	_	Met	ser	vaı	ser	_	Ala	
144					360		~~~	~~~		365		~~~			370		1.007
	cag																1687
147	Gln	ser	rre	375	GIY	116	PIO	піБ	380	IIIL	пеп	GIU	ıyı	385	val	гуѕ	
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	Glu		_			_					_		_	_			1755
152	GIG	****9	390	019		шеш	_,,	395			_,,	,	400		_,,	200	
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	Met																
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169 170 172 173 175 176 178 181 182 184 185 187 188 190 191 193 194 196 197	Leu Gln Leu 65 Gly Ser Pro Gly His 145 Glu	Gln Ser Pro Asn 50 Asp Val Leu Gly Val 130 Ser	Arg Thr Lys 35 Pro Leu Leu Ser Arg 115 Pro Thr	Met Gln 20 Ala Val Thr Asp His 100 Pro Pro Ser	Ile 5 Asp Ser Leu Val Leu 85 Ser Arg Leu Ser	Pro Pro Ser Arg 70 Ser Pro Gln Ser Lys 150	Ser Val Lys 55 Lys Thr Gly Tyr Leu 135 Val	Gln Thr 40 Leu Ser Lys Cys Arg 120 Gln Pro	Pro 25 Thr Leu Gln Lys Ser 105 Pro Asp Leu	10 Asn Ser Met Ser Ser 90 Ser Asp Gly Ala Ser	Ser Pro Ala Glu 75 Pro Thr Gly Thr Arg 155	Thr Thr Asp 60 Pro Cys Gln Leu Arg 140 Ser	Lys Ala 45 Gln Ser Ala Gly Arg 125 Glu Leu	Asn 30 Ala Asp Glu Gly Asn 110 Ser Gly	15 Gln Thr Ser Gln Ser 95 Gly Gly Phe Ile Leu	Ser Thr Pro Asp 80 Thr Arg Asp Gly Ser 160	
169 170 172 173 175 176 178 179 181 182 184 185 187 193 194 196 197 199 200	Leu Gln Leu 65 Gly Ser Pro Gly His 145 Glu	Gln Ser Pro Asn 50 Asp Val Leu Gly Val 130 Ser Glu	Arg Thr Lys 35 Pro Leu Leu Ser Arg 115 Pro Thr Leu	Met Gln 20 Ala Val Thr Asp His 100 Pro Pro Ser Leu	Ile 5 Asp Ser Leu Val Leu 85 Ser Arg Leu Ser 165	Pro Pro Ser Arg 70 Ser Pro Gln Ser Lys 150 Arg	Ser Val Lys 55 Lys Thr Gly Tyr Leu 135 Val Asn	Gln Thr 40 Leu Ser Lys Cys Arg 120 Gln Pro Gln	Pro 25 Thr Leu Gln Lys Ser 105 Pro Asp Leu Leu	10 Asn Ser Met Ser Ser 90 Ser Asp Gly Ala Ser 170	Ser Pro Ala Glu 75 Pro Thr Gly Thr Arg 155 Thr	Thr Thr Asp 60 Pro Cys Gln Leu Arg 140 Ser Ala	Lys Ala 45 Gln Ser Ala Gly Arg 125 Glu Leu Ala	Asn 30 Ala Asp Glu Gly Asn 110 Ser Gly Gln Ser	15 Gln Thr Ser Gln Ser 95 Gly Gly Phe Ile Leu 175	Ser Thr Pro Asp 80 Thr Arg Asp Gly Ser 160 Gly	

Input Set : A:\BER03US1.APP

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206		_	195	_	~ 7		_	200	_		_	_	205	_	_,	_
	Phe	_	GIY	Asn	GIY	Ala		Ser	Asn	IIe	Ser	_	Leu	Pro	Phe	Leu
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215					245					250					255	
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218				260					265					270		
220	Tyr	Ser	Tyr	Ser	Ser	Leu	Val	Met	Gly	Ser	Gln	Thr	Glu	Ser	Ala	Leu
221	•		275					280	-				285			
	Ser	Lvs	Lvs	Leu	Ara	Ala	Ile	Leu	Pro	Lvs	Gln	Ser	Arq	Lvs	Ser	Met
224		290	_1 _		5		295			4	_	300	3	-		
	Len		Δla	Glv	Pro	Asp		Trp	Gly	Ser	Asp		Glu	Gln	Ser	Thr
227		1100				310	001			501	315			Q_11		320
		Glv	Gln	Pro	Туг		Thr	Ser	Asp	Gln		G1 v	Δan	Pro	Glv	
230	110	GLY	GIII	110	325	110	* 111 T	DCI	АЗР	330	OIU	OLY	пор	110	335	DCI
	T	C1 5	Dro	7 ~~		T	7 ~~~	C1	7 ~~		7 ~~	Cln	Тиг	7 an		C1.,
	пур	GIII	PIO		цуѕ	цуѕ	Arg	GIY	Arg 345	тут	Arg	GIII	TYT		Ser	Giu
233	-1 -	T	a 1	340	77-	-1 -	0	**- 7		M-+	C	a 1	T	350	Com	77-7
	тте	ьeu		GIU	Ala	11e	ser		Val	мес	ser	GIY	_	met	ser	Val
236	_	_	355	~ 7	_	-1	-	360		_	•• •	.	365	.	~3	
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239		370				_	375		_			380		_	_	_
	_	Val	Lys	Glu	Arg		GIY	Thr	Leu	Lys		Pro	Pro	Lys	Lys	
242						390					395					400
244	Met	Lys	Leu	Met	Arg	Ser	Glu	Gly	Pro	Asp	Val	Ser	Val	Lys		Glu
245					405					410					415	
247	Leu	Asp	Pro	Gln	Gly	Glu	Ala	Ala	Gln	Ser	Ala	Asn	Glu	Ser	Lys	Asn
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262	1			-	5	-	_	-		10	_		-		15	
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265				20					25			4	- 2	30		
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268	001	_,_	35	Q.1.1.	001		- 7 -	40				001	45		014	-1-
	Lare	Val		Glu	Ara	Len	Glv		Leu	Lvc	Agn	Pro	13			
271	درب	50	-ys	JIU	1119	Leu	55		_u-cu	Ly S	* 1'211	60				
	_21	0 > SI	יז הב	רא כ	. 1		23					90				
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277	<21.	3 > O	KGAN.	LSM:	Art:	IIIC:	tal 8	seque	ence							

Input Set : A:\BER03US1.APP

Output Set: N:\CRF4\07102006\J529512.raw

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Input Set : A:\BER03US1.APP

Output Set: N:\CRF4\07102006\J529512.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; Xaa Pos. 2,4,6,8
Seq#:21; Xaa Pos. 5,6,7
Seq#:22; Xaa Pos. 2,6,7

VERIFICATION SUMMARY

DATE: 07/10/2006 TIME: 10:21:23

PATENT APPLICATION: US/10/529,512 TIME: 10:21:23

Input Set : A:\BER03US1.APP

.

Output Set: N:\CRF4\07102006\J529512.raw

L:493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0 L:550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0 L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0